# AMENDMENTS TO THE CLAIMS

- 1. (currently amended) A reflective article, comprising:
- a substrate comprising an amorphous thermoplastic resin having
  - a heat distortion temperature of at least about 140°C measured at 66 pounds per square inch according to ASTM D648,
  - a density less than 1.7 grams per milliliter, and

an organic volatiles content less than 1,000 parts per million measured according to ASTM D4526;

wherein the amorphous thermoplastic resin is selected from polyetherimides, polyetherimide sulfones, polysulfones, polyethersulfones, polyphenylene ether sulfones, poly(arylene ether)s, polyearbonates, polyester carbonates, polyarylates, and mixtures thereof;

a reflective metal layer; wherein the reflective metal layer comprises a metal selected from aluminum, silver, gold, nickel, palladium, platinum, copper, and alloys thereof; and

a haze-prevention layer interposed between the substrate and the reflective metal layer, wherein the haze-prevention layer comprises a material having a volume resistivity of at least  $1\times10^{-4}$  ohm-centimeters measured according to ASTM D257 at 25°C and a tensile modulus of at least about  $3\times10^{5}$  pounds per square inch measured according to ASTM D638 at 25°C; wherein the haze-prevention layer comprises a plasma-polymerized organosilicone.

- 2. (canceled)
- 3. (withdrawn) The reflective article of Claim 1, wherein the amorphous thermoplastic resin comprises a polysulfone or an isophorone bisphenol-containing polycarbonate.

- (original) The reflective article of Claim 1, wherein the substrate is 4. substantially free of inorganic filler.
- (previously presented) The reflective article of Claim 1, wherein the 5. substrate has a thickness of about 0.1 to about 20 millimeters.
  - 6. (canceled)
- (original) The reflective article of Claim 1, wherein the reflective metal 7. layer comprises aluminum.
- (original) The reflective article of Claim 1, wherein the reflective metal 8. layer has a thickness of about 10 to about 1000 nanometers.
  - 9. (canceled)

10. (currently amended) The reflective article of Claim 91, wherein the organosilicone has the formula

wherein each occurrence of R is independently hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> alkenyl alkyl, or C<sub>6</sub>-C<sub>18</sub> aryl; n is 0 to 100; m is 1 to 100; and X is -O- or -NH-.

- 11. (currently amended) The reflective article of Claim 91, wherein the organosilicone is octamethyl(cyclotetrasiloxane), hexamethyl(cyclotrisiloxane), tetramethyldisiloxane, hexamethyldisiloxane, octamethyltrisiloxane, vinyltriethoxysilane, vinyltrimethoxysilane cyclotetra(methylvinylsiloxane), cyclotri(methylvinylsiloxane), hexamethyldisilazane, or a mixture thereof.
- 12. (withdrawn) The reflective article of Claim 1, wherein the haze-prevention layer comprises diamond-like carbon.
- 13. (withdrawn) The reflective article of Claim 1, wherein the haze-prevention layer comprises a colloidal silica composition comprising colloidal silica dispersed in a silanol-, acrylic-, or methacrylic-derived polymer system.

- 14. (withdrawn) The reflective article of Claim 1, wherein the haze-prevention layer comprises a thermoset resin selected from thermoset polyester resins, thermoset epoxy resins, novolac resins, and melamine resins.
- 15. (original) The reflective article of Claim 1, wherein the haze-prevention layer has a thickness of about 100 nanometers to about 100 micrometers.
- 16. (original) The reflective article of Claim 1, further comprising a protective layer having a percent transmittance of at least 90% measured according to ASTM D1003 at 25°C; wherein the reflective layer is interposed between the haze-prevention layer and the protective layer.
- 17. (original) The reflective article of Claim 1, comprising a surface with a reflectivity of at least 80% measured according to ASTM D523.
- 18. (original) The reflective article of Claim 1, wherein the article is an automotive headlight reflector.

- (currently amended) A reflective article, consisting essentially of: 19.
- a substrate comprising an amorphous thermoplastic resin having
  - a heat distortion temperature of at least about 140°C measured at 66 pounds per square inch according to ASTM D648,
  - a density less than 1.7 grams per milliliter, and
  - an organic volatiles content less than 1,000 parts per million measured according to ASTM D4526;
  - wherein the amorphous thermoplastic resin is selected from polyetherimide sulfones, polysulfones, polyetherimides. polyethersulfones, polyphenylene ether sulfones, poly(arylene ether)s, polycarbonates, polycster carbonates, polyarylates, and mixtures thereof;
- a reflective metal layer; wherein the reflective metal layer comprises a metal selected from aluminum, silver, gold, nickel, palladium, platinum, copper, and alloys thereof: and
- a haze-prevention layer interposed between the substrate and the reflective metal layer, wherein the haze-prevention layer comprises a material having a volume resistivity of at least 1x10-4 ohm-centimeters measured according to ASTM D257 at 25°C and a tensile modulus of at least about  $3 \times 10^5$  pounds per square inch measured according to ASTM D638 at 25°C: wherein the haze-prevention layer comprises a plasmapolymerized organosilicone.

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(withdrawn) A reflective article, comprising: 20.

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- a substrate comprising a polysulfone or an isophorone bisphenol-containing polycarbonate resin having
  - a glass transition temperature of at least about 170°C,
  - a density less than 1.7 grams per milliliter, and
- an organic volatiles content less than 1,000 parts per million measured according to ASTM D4526;
  - a reflective metal layer comprising aluminum; and
- a haze-prevention layer interposed between the substrate and the reflective metal layer, wherein the haze-prevention layer comprises a plasma-polymerized organosilicone having a volume resistivity of at least 1x10-2 ohm-centimeters measured according to ASTM D257 at 25°C and a tensile modulus of at least about 5x10<sup>5</sup> pounds per square inch measured according to ASTM D638 at 25°C.

(currently amended) A method for preparing a reflective article, 21. comprising:

applying a haze-prevention layer to a surface of a substrate;

wherein the haze-prevention layer comprises a material having a volume resistivity of at least 1x10<sup>-4</sup> ohm-centimeters measured according to ASTM D257 at 25°C and a tensile modulus of at least about 3x105 pounds per square inch measured according to ASTM D638 at 25°C; wherein the haze-prevention layer comprises a plasmapolymerized organosilicone; and

wherein the substrate comprises an amorphous thermoplastic resin having a heat distortion temperature of at least about 140°C measured at 66 pounds per square inch according to ASTM D648, a density less than 1.7 grams per milliliter, and an organic volatiles content less than 1,000 parts per million measured according to ASTM D4526; wherein the amorphous themoplastic resin is selected from polyetherinides, polyetherimide sulfones, polysulfones, polyethersulfones, polyphenylene ether sulfones, poly(arylene ether)s, polycarbonates, polyester carbonates, polyarylates, and mixtures thereof; and

applying a reflective metal layer to a surface of the haze-prevention layer; wherein the reflective metal layer comprises a metal selected from aluminum, silver, gold, nickel, palladium, platinum, copper, and alloys thereof.

- (original) The method of Claim 21, further comprising applying a 22. protective layer to the reflective metal layer; wherein the protective layer has a percent transmittance of at least 90% measured according to ASTM D1003.
- (withdrawn) The reflective article of Claim 1, wherein the amorphous 23. thermoplastic resin is selected from polyetherimide sulfones, polyphenylene ether sulfones, poly(arylene ether)s, and isophorone bisphenol-containing polycarbonates.